

ABSTRACT OF THE DISCLOSURE

A novel gene, designated *MCT-1* (for Multiple Copies in T-cell malignancy), is provided. A protein encoded by *MCT-1*, designated MCT-1, is also
5 provided. Antisense oligonucleotides complementary to or homologous with a portion
of *MCT-1*, substantially purified MCT-1, and methods of determining whether a cell is
a tumor cell are also provided. The invention also includes monoclonal and polyclonal
antibody preparations which bind with specificity to MCT-1. The invention further
includes methods of determining whether a compound or a gene product is a modulator
10 of *MCT-1* expression, a method of reducing *MCT-1* expression in a cell, and a method
of conferring a growth advantage on a cell.